

APR 18 2003

TECH C



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RAW SEQUENCE LISTING

DATE: 04/11/2003

PATENT APPLICATION: US/09/977,066A

TIME: 14:32:25

Input Set : A:\seqlist2302-16095.txt

Output Set: N:\CRF4\04112003\I977066A.raw

3 <110> APPLICANT: THUDIUM, Kent
 4 SELBY, Mark
 6 <120> TITLE OF INVENTION: CYTOMEGALOVIRUS INTRON A FRAGMENTS
 8 <130> FILE REFERENCE: 2302-16095 / PP16095.002
 10 <140> CURRENT APPLICATION NUMBER: 09/977,066A
 11 <141> CURRENT FILING DATE: 2001-10-12
 13 <150> PRIOR APPLICATION NUMBER: 60/240,502
 14 <151> PRIOR FILING DATE: 2000-10-13
 16 <160> NUMBER OF SEQ ID NOS: 8
 18 <170> SOFTWARE: PatentIn Ver. 2.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 834
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: full length
 27 intron A
 29 <400> SEQUENCE: 1
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 31 ttttttgctt ggggcctata caccgccgct ccttatgcta taggtgatgg tatagcttag 120
 32 cctatagggtg tgggttattg accattattg accactcccc tattgggtgac gatactttcc 180
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 40 cgcaccgtga cgcagatgga agacttaagg cagcggcaga agaagatgca ggcagctgag 660
 41 ttgtttgtatt ctgataagag tcagaggtaa ctcccgttgc ggtgctgta acggtggagg 720
 42 gcagtgtagt ctgagcagta ctcgttgctg ccgcgcgcgc caccagacat aatagctgac 780
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 46 <211> LENGTH: 100
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
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 51 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 52 oligo for substitution of nucleotides 52-740 of
 53 Intron A
 55 <400> SEQUENCE: 2
 56 atgcatctcg ttgctgccgc gcgcgccacc agacataatc gctgacacac tgacagactg 60
 57 ttcttttctt tttttttttt ttgcagtcac cgtcgtcgac 100

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61 <212> TYPE: DNA
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71 tttttttgca gtcaccgtcg tcgac                                     145
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85 aaatcgatat ttgaaaaatat ggcatattga aaatgtcgcc gatgtgagtt tctgtgtaac 180
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94 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 720
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109 attattttaca aattcacata tacaacaacg ccgtcccccg tgcccgcagt ttttattaaa 1620
110 catagcgtgg gatctccacg cgaatctcgg gtacgtgttc cggacatggg ctcttctccg 1680
111 gtagcggcgg agcttccaca tccgagccct ggtcccatgc ctccagcggc tcatggctgc 1740
112 tcggcagctc cttgtccta acagtggagg ccagacttag gcacagcaca atgccacca 1800

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113 ccaccagtgt gccgcacaag gccgtggcgg tagggatatgt gtctgaaaat gagctcggag 1860
114 attgggctcg caccgtgacg cagatggaag acttaaggca gcggcagaag aagatgcagg 1920
115 cagctgagtt gttgtattct gataagagtc agaggtaact cccgttgagg tgctgttaac 1980
116 ggtggagggc agtgtagtct gagcagtact cgttgctgcc gcgcgcgcca ccagacataa 2040
117 tagctgacag actaacagac tgttcctttc catgggtctt ttctgcagtc accgtccttg 2100
118 acacgatgga gtcctctgcc aagagaaaaga tggacctga taatcctgac gagggccctt 2160
119 cctccaaggt                                     2170
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122 <211> LENGTH: 126
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: wild type
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130 <400> SEQUENCE: 5
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133 tctcag                                     126
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 127
137 <212> TYPE: DNA
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141 <223> OTHER INFORMATION: Description of Artificial Sequence: optimized
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144 <400> SEQUENCE: 6
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147 tctgcag                                     127
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152 <213> ORGANISM: Artificial Sequence
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155 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
156     KBT-162
158 <400> SEQUENCE: 7
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162 <211> LENGTH: 20
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
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167 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
168     KBT-163
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171 gttgagcaat tcacgttcat                                     20

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/977,066A

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